

MATH 1B WEEK 2, TUESDAY

Exercise 1. $\int \frac{z}{10^z} dz$

Exercise 2. $\int e^{-\theta} \cos(2\theta) d\theta$

Exercise 3. $\int_0^1 (x^2 + 1)e^{-x} dx$

Exercise 4. $\int \frac{x^4}{x-1} dx$

Exercise 5. $\int_0^1 \frac{2}{2x^2 + 3x + 1} dx$

Exercise 6. $\int \frac{dt}{(t^2 - 1)^2}$

Exercise 7. $\int \frac{10}{(x - 1)(x^2 + 9)} dx$

Exercise 8. $\int \frac{x + 4}{x^2 + 2x + 5} dx$

Exercise 9. $\int \frac{\sin x}{\cos^2 x - 3 \cos x} dx$